

Attachment 1

WEST

Attachment 1



Generate Collection

Print

L2: Entry 1 of 10

File: JPAB

Mar 6, 1998

PUB-NO: JP410065481A

DOCUMENT-IDENTIFIER: JP 10065481 A

TITLE: SURFACE ACOUSTIC WAVE FILTER

PUBN-DATE: March 6, 1998

INVENTOR-INFORMATION:

NAME

COUNTRY

HIROTA, KAZUHIRO

OGAWA, YUJI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

TOYO COMMUN EQUIP CO LTD

APPL-NO: JP08231492

APPL-DATE: August 13, 1996

INT-CL (IPC): H03 H 9/145; H03 H 9/25; H03 H 9/64

ABSTRACT:

PROBLEM TO BE SOLVED: To suppress the increase in a loss and to obtain an excellent cut-off characteristic and an attenuation characteristic in the vicinity of high frequencies by connecting a resonator to terminals of IDTs at both sides among three interdigital transducers (IDTs).

SOLUTION: A longitudinally coupled dual mode surface acoustic wave (SAW) filter (longitudinally coupled DMS filter) 1 of 3-IDT configuration is made up of IDTs 3, 4a, 4b and reflectors 5a, 5b. A pattern pitch, number of electrodes and an interval of electrodes are selected to realize a desired pass band. A SAW resonator 2 is connected in series with an output terminal obtained by connecting electrodes of the IDTs 4a, 4b in parallel. The resonator 2 is made up of the IDT 6 in which electrode finger cross lengths to stimulate a surfaced acoustic wave are given a cosine type, weighting and reflectors 7a, 7b on its both sides. The resonance frequency of the resonator 2 is set to be in the pass band of the filter 1 and the anti-resonance frequency is set to be on the high frequency side of the pass band of the filter 1.

COPYRIGHT: (C)1998, JPO